Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Monday 31 Jan 2022 until 23:59 on Tuesday 01 Feb 2022

Forecast Issued on Monday 31 Jan 2022 at 03:49

Confidence: High for a largely fine but cold and windy day through Monday and for a generally windy and rather unsettled week, although lower for timing for the various rain bands, especially on Thursday.

Headline for Monday 31 Jan 2022: Sunny spells and a few snow showers. Rain, summit snow, later. Winds easing.

Mountain weather hazards on Monday 31 Jan 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** Low Likelihood
Gales High Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Sunny intervals	Cloudy	Cloudy	Sleet	Heavy Rain
Precipitation probability					
20%	20%	20%	10%	40%	60%

Forecast for Monday 31 Jan 2022

Weather: Clear or sunny spells through the morning and afternoon, with perhaps a few snow showers around, these mainly over western fells through the morning. Increasing cloud through the late afternoon brings outbreaks of rain for the evening, preceded by sleet or snow over the higher fells, the rain becoming heavier and more persistent towards midnight.

Chance of cloud-free hill tops above 800m: Around 75% falling to zero by early evening.

Low cloud and visibility: Occasional cloud above 600m through much of the day becoming periods or persistent above 450-600m through the late afternoon and early evening, cloud becoming more persistent above 300m in the west through the evening. Otherwise visibility very good falling briefly to a kilometre or so in snow showers, and later summit snow, and to several kilometres in evening rain.

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Forecast for Monday 31 Jan 2022

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	55/64 NW	45/54 NW	35/44 NW	29/37 NW	25/32 W	30/38 W	37/47 W
600	38/49 NW	32/43 NW	26/37 NW	21/28 NW	20/27 W	25/34 W	29/40 W
300	13/42 NW	11/36 NW	12/34 NW	8/25 NW	8/23 W	10/27 W	12/33 W
Valley	9/37 NW	8/32 NW	10/30 NW	7/22 NW	8/21 W	11/26 W	12/29 W

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-4/-16	-4/-14	-2/-12	-2/-10	-1/-8	1/-7	2/-6
600	-1/-11	-1/-10	0/-7	1/-6	1/-5	3/-4	4/-3
300	1/-4	2/-3	3/-1	4/0	4/0	4/1	5/1
Valley	4/0	4/1	6/2	6/4	6/3	6/3	7/4
Freezing Level*	300m	400m	500m	600m	900m	1100m	1800m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts around 80mph over higher ridges and summits at first, then nearer 60mph through the morning. Severe chill effect, especially through the morning.

Forecast for Tuesday 01 Feb 2022

Weather: Overnight, occasionally heavy rain, clearing soon after dawn then a bright, mostly dry but windy day with some sunny spells, the best of these across eastern fells, with just the odd shower possible in the west.

Maximum wind: Westerly or northwesterly 30-40mph, with gusts around 65mph over ridges and summits.

Chance of cloud-free hill tops above 800m: Little chance at first but becoming 40% by mid-morning and 75% in west and near 100% in east by afternoon.

Low cloud and visibility: Periods or persistent cloud above 450-600m, but nearer 300m in west, at first becoming periods above 600m by mid-morning and more occasional in afternoon, with only small amounts below summit level in east. Visibility rather hazy falling to several kilometres in early rain becoming very good by mid-morning.

Temperature: **Valleys:** Around plus 5 Celsius overnight rising to plus 10 or 11 Celsius by day
At 800m: Around plus 3 Celsius
Freezing level: Above the summits falling to 1000m later

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Ground Conditions Supplement

Date: Sunday 30 January Location: Helvellyn summit at 15:00. Full report: A sunny start to the day but conditions rapidly deteriorated as Storm Corrie arrived in late afternoon bringing strong winds and fresh snow which was settling down to 700m as darkness fell. Prior to this ground conditions were very similar to the past few weeks with the vast majority of the Lakeland fells being snow-free. Any remaining old snow (névé) is typically found on steep north and east-facing slopes above 750m. It was hard and icy today after an overnight freeze and owing to the fact it is generally found on steep ground with a lot of exposed rock present, it requires the use of an ice axe and crampons to move over safely. Storm Corrie quickly transformed conditions with freezing rain coating the Helvellyn edges in verglas (black ice) and a thin coating of snow on which microspikes and an ice axe were very reassuring. Rime ice was also forming on the plateau. The freezing level is forecast to drop to around 500m tonight so any precipitation will continue to fall as snow on high ground therefore, it's worth noting that the ground conditions described here may be very different tomorrow depending upon the amount of snow that falls overnight. Crampons/microspikes and an ice axe are strongly recommended to safely negotiate the rapidly changing winter conditions you are likely to encounter on the fells. A significant hazard will be the old hard and icy snow patches which may be obscured by the new snow. Full winter clothing (warm and waterproof) including hats and gloves, map, compass and a headtorch are also essential. Goggles would be a sensible addition as any new snow accompanied by strong winds will make navigation very difficult especially if whiteout conditions develop. Temperature: minus 0.5C. Maximum wind speed 27.9mph. Wind chill: minus 8.4C. Average wind speed: 20.7mph.

Issued at: 03:49 on Mon 31 Jan 2022

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